

## Supplementary material file SD: Elements detected in steel wire sludge structure

### Solar drying of sludge from a steel wire drawing industry

*Lindomar Matias Goncalves<sup>ab</sup>, Clara Mendoza-Martinez<sup>bc</sup>, Elém Patricia Alves Rocha<sup>c</sup>, Eduardo Coutinho de Paula<sup>b</sup>, Marcelo Cardoso<sup>b</sup>,*

<sup>a</sup>Federal University of Itajubá, Institute of Pure and Applied Sciences, Rua Irmã Ivone Drumond, 200 - Industrial District II, MG 35903-087 Itabira, Brazil.

<sup>bc</sup>LUT University, School of Energy Systems, Yliopistonkatu 34, FI-53850 Lappeenranta, Finland.

<sup>b</sup>Federal University of Minas Gerais, Department of environmental engineering, Av. Antônio Carlos 6627, MG 31270-901 Belo Horizonte, Brazil.

<sup>c</sup>Federal University of the Jequitinhonha and Mucuri Valleys, Department of Materials Engineering at the, Campus Janaúba, Av. Um 4050, University City, MG 39447-901, Janaúba, Brazil.

Table S6. Elements detected in steel wire sludge structure.

Element	Series	unn. C[wt.%]	norm. C[wt.%]	Atom. C[at.%]	Error (1Sigma)[wt.%]
Carbon	K-series	13.11	12.29	20.64	2.40
Oxygen	K-series	46.45	43.53	54.88	5.39
Sulfur	K-series	18.08	16.94	10.66	0.67
Chlorine	K-series	1.07	1.00	0.57	0.06
Calcium	K-series	26.35	24.69	12.43	0.79
Iron	K-series	1.08	1.01	0.37	0.06
Sodium	K-series	0.51	0.47	0.42	0.06
Silicon	K-series	0.06	0.06	0.04	0.03
Total:		106.70	100.00	100.00	